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X79-DELUXE

CPU

Intel® Socket 2011 Core™ i7 Extreme Edition/Core™ i7 Processors
Supports Intel® Turbo Boost Technology 2.0
* Refer to www.asus.com for CPU support list

Chipset

Intel® X79

Memory

8 x DIMM, Max. 64GB, DDR3 2800(O.C.)/2400(O.C.)/2133(O.C.)/1866/1600/1333/1066 MHz Non-ECC, Un-buffered Memory
Quad Channel Memory Architecture
Supports Intel® Extreme Memory Profile (XMP)
* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).
* Due to CPU behavior, DDR3 2200/2000/1800 MHz memory module will run at DDR3 2133/1866/1600 MHz frequency as default.

Multi-GPU Support

Supports NVIDIA® 3-Way SLI™ Technology
Supports AMD Quad-GPU CrossFireX™ Technology

Expansion Slots

3 x PCIe 3.0/2.0 x16 (dual x16 or x16/x8/x8) *1
1 x PCIe 3.0/2.0 x16 (x4 mode)
2 x PCIe x1

Storage

Intel® X79 chipset :
2 x SATA 6Gb/s port(s), black
4 x SATA 3Gb/s port(s), black
Support Raid 0, 1, 5, 10
Marvell® PCIe 9230 controller :
4 x SATA 6Gb/s port(s), dark brown
ASMedia® ASM1061 controller :
2 x SATA 6Gb/s port(s), dark brown
2 x Power eSATA 6Gb/s port(s), green

LAN

Intel® 82579V, 1 x Gigabit LAN Controller(s)
Realtek® 8111GR, 1 x Gigabit LAN Controller(s)
Dual Gigabit LAN controllers- 802.3az Energy Efficient Ethernet (EEE) appliance
Intel® LAN- Dual interconnect between the Integrated LAN controller and Physical Layer (PHY)

Wireless Data Network

Wi-Fi 802.11a/b/g/n/ac
Supports dual band frequency 2.4/5 GHz

Bluetooth

Bluetooth V4.0

Audio

Realtek® ALC1150 8-Channel High Definition Audio CODEC
- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking
Audio Feature :

- Absolute Pitch 192kHz/ 24-bit True BD Lossless Sound
- DTS Ultra PC II
- DTS Connect
- Optical S/PDIF out port(s) at back panel
- BD Audio Layer Content Protection

USB Ports

Intel® X79 chipset :

12 x USB 2.0/1.1 port(s) (4 at back panel, black, 8 at mid-board)

ASMedia® ASM1042 controller :

8 x USB 3.0/2.0 port(s) (6 at back panel, blue, 2 at mid-board)

Special Features

ASUS Dual Intelligent Processors 4 with 4-Way Optimization :

- The tuning key perfectly consolidates ASUS-exclusive DIGI+ Power Control, TPU, EPU, and Fan Xpert 2 optimize the digital power setting, system performance, power saving and whole system cooling configuration

ASUS 5X Protection :

- ASUS DIGI+ VRM - 8 + 2 Phase digital power design
- ASUS ESD Guards - Enhanced ESD protection
- ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability
- ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating

ASUS EPU :

- EPU
- EPU switch

ASUS Digital Power Design :

- Industry leading Digital 8 + 2 Phase CPU Power Design
- Industry leading Digital 2 + 2 Phase DRAM Power Design
- CPU Power Utility
- DRAM Power Utility

ASUS Wi-Fi GO!

- Wi-Fi GO! Function: Cloud GO!, Media Streaming Hub, Smart Sensor Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send
- Wi-Fi Engine for network sharing and connection: Client Mode, AP Mode
- Wi-Fi GO! & NFC Remote for portable Smartphone/Tablet, supporting iOS & Android systems

ASUS Exclusive Features :

- TurboV EVO
- USB BIOS Flashback
- MemOK!
- AI Suite 3
- Ai Charger+
- Anti-Surge
- Onboard Button : Power/Reset
- Front Panel USB 3.0 Support
- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface
- ASUS SSD Caching II
- Network iControl
- USB 3.0 Boost
- Disk Unlocker

ASUS Quiet Thermal Solution :

- Stylish Fanless Design Heat-pipe solution
- ASUS Fan Xpert 2

ASUS EZ DIY :

- DirectKey
- Precision Tweaker 2
- ASUS O.C. Tuner
- ASUS CrashFree BIOS 3
- ASUS EZ Flash 2
- ASUS USB BIOS Flashback
- ASUS UEFI BIOS EZ Mode
- Multi-language BIOS

ASUS Q-Design :

- ASUS Q-Shield
- ASUS Q-Code
- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
- ASUS Q-Slot
- ASUS Q-DIMM
- ASUS Q-Connector

Overclocking Protection :

- ASUS C.P.R.(CPU Parameter Recall)

Operating System Support

Windows® 8

Windows® 7

Back I/O Ports

2 x Power eSATA 6Gb/s

2 x LAN (RJ45) port(s)

6 x USB 3.0 (blue)

4 x USB 2.0 (one port can be switched to USB BIOS Flashback)

1 x Optical S/PDIF out

5 x Audio jack(s)

1 x USB BIOS Flashback Button(s)

1 x ASUS Wi-Fi GO! module (Wi-Fi 802.11 a/b/g/n/ac and Bluetooth v4.0/3.0+HS)

Internal I/O Ports

1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s) (19-pin)

4 x USB 2.0 connector(s) support(s) additional 8 USB 2.0 port(s)

1 x TPM connector(s)

8 x SATA 6Gb/s connector(s)

4 x SATA 3Gb/s connector(s)

1 x CPU Fan connector(s) (1 x 4 -pin)

1 x CPU OPT Fan connector(s) (1 x 4 -pin)

4 x Chassis Fan connector(s) (4 x 4 -pin)

1 x S/PDIF out header(s)

1 x 24-pin EATX Power connector(s)

1 x 8-pin ATX 12V Power connector(s)

1 x Front panel audio connector(s) (AAFP)

1 x System panel(s) (Q-Connector)

1 x Chassis Intrusion connector(s)

1 x DirectKey Button(s)

1 x DRCT header(s)

1 x MemOK! button(s)

1 x TPU switch(es)

1 x EPU switch(es)

1 x Power-on button(s)

	1 x Reset button(s) 1 x Clear CMOS button(s)
Accessories	User's manual ASUS Q-Shield 4 x SATA 3Gb/s cable(s) 6 x SATA 6Gb/s cable(s) 1 x ASUS 2T2R dual band Wi-Fi moving antennas (Wi-Fi 802.11a/b/g/n/ac compliant) 1 x 3-Way SLI bridge(s) 1 x SLI bridge(s) 1 x Q-connector(s) (2 in 1)
BIOS	64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.7, WfM2.0, SM BIOS 2.7, ACPI 5.0, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3, My Favorites, Quick Note, Last Modified log, F12 PrintScreen, F3 Shortcut functions, and ASUS DRAM SPD (Serial Presence Detect) memory information
Manageability	WfM 2.0, DMI 2.7, WOL by PME, PXE
Support Disc	Drivers ASUS Utilities EZ Update Anti-virus software (OEM version)
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x 24.4 cm)
Note	*1. This motherboard is ready to support PCIe 3.0 SPEC. Functions will be available when using PCIe 3.0-compliant devices. Please refer to www.asus.com for updated details.